

An Investigation of the Fatigue ...

5/114/61/000/004/004/006

E194/E435

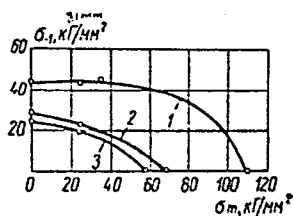


Fig.4.

Номер партии	Режим термообработки	Температура испытания °C	σ_t	σ_b	δ	ψ	Твердость HB
			кг/мм²		%		
1	Закалка 1000° С, 2 часа, воздух отпуск 420° С, 2 часа, воздух	20	93	123,3	16,8	57,7	352
		100 400	83 —	110,0 105,0	— —	51,0 50,0	— —
2	Закалка 1000°, 2 часа, воздух отпуск 720°, 2 часа, воздух	20	63,9	77,7	20,2	65,9	229
		100	56,3	65,5	—	63,5	—
3	Закалка 1000°, 2 часа, воздух отпуск 760°, 2 часа, воздух	20	42,0	62,1	25,1	71,6	167
		100	39,0	55,0	—	—	—

Table 1.

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Table 2.

ТАБЛИЦА 2

Номер партии	Режим термообработки	Температура испытания, °C	Напряжения растяжения (среднее напряжение цикла кг/мм ²)		
			0	25	35
1	Закалка 1000° С, 2 часа, воздух; отпуск 420° С, 2 часа, воздух	100 400	0 0	25 15	35 —
2	Закалка 1000°, 2 часа, воздух; отпуск 720°, 2 часа, воздух	100	0	25	—
3	Закалка 1000°, 2 часа, воздух; отпуск 760°, 2 часа, воздух	100	0	25	—

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Table 3.

ТАБЛИЦА 3

Номер партии	t, °C	σ_m	σ_a	$\frac{\sigma_a (\sigma_m > 0)}{\sigma_a (\sigma_m = 0)}$	$\frac{\sigma_{max}}{\sigma_a (\sigma_m = 0)}$	$\frac{\sigma_{-1}}{\sigma_b}$
		кг/мм ² кг/мм ²		кг/мм ² кг/мм ²		
1	100	0	44	—	44	0,40
		25	44	1,00	69	—
		35	45	1,00	80	—
	100	0	43,5	—	43,5	0,42
		15	43,5	1,00	58,5	—
2	100	0	29	—	29	0,42
		25	22,2	0,76	47	—
3	100	0	24	—	24	0,41
		25	19	0,76	41	—

Card 9/9

PISARENKO, G.S.; TROSHCHENKO, V.T., kand.tekhn.nauk;
KAPLINSKIY, L.A., inzh.; GRYAZNOV, B.A., inzh.

Study of the fatigue resistance of 1^X13 steel subject to
variable bending with static stretching. Energomashinostroenie
7 no.4:29-31 Ap '61. (MIRA 14:7)

1. Chlen-korrespondent AN USSR (for Pisarenko).
(Steel—Fatigue)
(Turbines)

DUBINSKIY, L.M.; ZAMANSKIY, S.M.; LOPATA, A.Ya.; MAN'KO, N.S.; REZNIK, N.D.; SKARZHEVSKIY, R.A.; TERESHCHENKO, A.I.; KOSTENKO, G.F., red.; TARASINKEVICH, P.P., red.; KAPLINSKIY, L.A., red.; SOROKA, M.S., red.

[The multiple-spindle 1261M and 1262M automatic lathes and 1261P, and 1262P semiautomatic lathes; handbook on adjustment and servicing] Mnogospindel'nye tokarnye avtomaty 1261M, 1262M i poluavtomaty 12662P; rukovodstvo po naladke i obsluzhivaniyu. Izd. 2. Pod red. G.F.Kostenko, P.P.Tarasinkevicha i L.A.Kaplinskogo. Moskva, Mashgiz, 1960. 170 p. (MIRA 15:11)
(Lathes--Maintenance and repair)

"Q Fever in the Urals, by B. Kh. Burganskiy, M. B. Kanlin-
skiy, A. P. Vygovskiy, and I. F. Berdnikov, Zhurnal Mikro-
biologii, Epidemiologii, i Immunobiologii, No 3, Mar 57, pp
41-46

The presence of Q fever was first determined in the Urals in June 1954. In Kirov oblast, cases were treated as bronchopneumonia, malaria, hemorrhagic fever, etc., until diagnosed as Q fever by the complement fixation method. In 1955, a similar outbreak in a Chelyabinsk oblast was at first mistaken for leptospirosis and blamed on polluted water from the Tobol River. Symptoms were similar to those in Kirov Oblast. Magnitogorsk had similar outbreaks in 1954 and 1955.

Investigation showed that the tick population in the forests and on domestic animals was negligible (index for horses not more than 1, and for cattle 1.5). Since in all cases, horses had been used in construction work, their sera were tested with Q-antigen, and the complement fixation reaction was found to be positive. In all cases, the horses had been pastured together with cattle and goats.

Wherever Q- rickettsiae were found in domestic animals, DDT was used for disinfection, rat elimination measures were carried out, and, where advisable, the use of raw milk products from cattle and goats was prohibited. Patients with fever symptoms were kept in isolation from the first day of sickness.

For further epidemiological study and prophylaxis of Q fever, serological observation of animals and suspected patients was continued in the disease, foci, the burrows of rodents, and wherever ticks were to be found. However, "it must be admitted that these investigations are extremely difficult because of the scarcity of Q fever laboratories, Q fever antigen, and even of antiepidemic installations on the oblast level". (U)

MATS, A.S.; BURGANSKIY, B.KH.; BELYAYEV, P.A.; KAPLINSKIY, M.B.; BEZRUKOV, V.M.;
KOPIT, Z.M.; GUSEV, N.P.

Features of the influenza epidemic of 1957 in the Urals and the adjacent
areas; author's abstract. Zhur. mikrobiol. epid. i immun. 29 no.12:107-108
D '58. (URAL MOUNTAIN REGION--INFLUENZA) (MIRA 12:1)

KAPLINSKIY, M. B., BELYAYEV, P. A., BEZUKOV, V. M., BURGANSKIY, B. KH.,
MATS, A. S., SOLOMIN, N. N.

"Epidemiological characteristics of diseases with Natural Foci
in the Ural Mountains." p. 21

Desyatoye Soveshchaniye po parazitologicheskim problemam i
prirodnouchagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference
on Parasitological Problems and Diseases with Natural Foci 22-29
October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences
USSR and Academy of Sciences USSR, No. 1 254pp.

KAPLINSKIY, M. B., MATS, A. S., SOLOMIN, N. N., BELYAYEV, P. A., BEZRUKOV, V. M.,
and BURGANSKIY, B. K.

"Possible Vectors of Diseases with Natural Reservoirs in the Urals."

Tenth Conference on Parasitological Problems and Diseases with Natural
Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of
Sciences, USSR, Moscow-Leningrad, 1959.

Sverdlovsk

KAPLINSKIY, M.B., kand.med.nauk; BURGANSKIY, B.Kh., kand.med.nauk;
KORTEV, A.I., kand.med.nauk; MALYARCHIKOVA, G.S.; ANAN'YEV, I.T.;
GUSEV, N.P.; KARASEV, A.G.

Listerellosis infection in the Urals. Sbor.rab.Sverd.med.inst.
no.32:73-78 '61. (MIRA 16:2)

1. Iz Okruzhnogo Sanitarno-epidemiologicheskogo otrayada
(nachal'nik A.S.Mats) i kafedry infektsionnykh bolezney (zav.
kafedroy - dotsent A.I.Kortev) Sverdlovskogo meditsinskogo
instituta.

(URAL MOUNTAIN REGION—~~LISTERELLOSIS~~)

KAPLINSKIY, M. I.

[illegible]

It should be mentioned that there is a good solution of this problem [S. N. Zhuravskiy, Vysk. i. inzh. 1972, No. 1].

I
KAPLINSKIY, M.; ARTYATEV, P.

"Soils of irrigated areas in the central trans-Volga region."
V.P.Glukhovtsev. Pochvovedenie no.7:125-126 J1 '56. (MLRA 9:11)
(Volga Valley--Soils) (Glukhovtsev, V.P.)

USSR/ Cultivated Plants. Potato. Vegetables. Melons. M-4

Abs Jour: Ref Zhur-Biol., 1958, No 16, 72961.

Author : Kaplinskiy, M. I.

Inst : Kuybyshev Agricultural Institute.

Title : Irrigation as a Means of Increasing the Potato
Harvest in Kuybyshevskaya Oblast.

Orig Pub: Izv. Kuybyshevsk. s.-kh. in-ta, 1957, 12, 59-71.

Abstract: Work on an investigation of irrigation systems and watering procedures for potatoes was conducted by the Department of Land Improvement of the Kuybyshev Agricultural Institute in 1951-1954. It is recommended that one watering be made at the beginning of branching, one during flowering and two during tuber growth. Soil moisture must be within 60-90% of total field moisture capacity. The irrigation

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54

KAPLINSKIY, M.I.

Seepage from canals under conditions of ground-water flow
under them. Vliian, orosh. na rezh. grunt. vod no. 2:163-181
'59. (MIRA 13:2)

(Soil percolation)
(Irrigation canals and flumes)

KAPLINSKIY, M.I.

Some conclusions from the analysis of water balance in the Chu
Depression. Izv.AN Kir.SSR.Ser.est.i tekhn.nauk 2 no.4:3-34 '60.
(MIRA 14:8)

(Chu Valley--Water resources development)

KAPLENSKIY, M.I.

Use of Academician A.N.Kostiakov's empirical formulas in determining
filtration losses. Izv.AN Kir.SSR.Ser.est.i tekhn.nauk 2 no.4:67-
93 '60. (MIRA 14:8)

(Seepage) (Irrigation canals and flumes)

KAPLINSKIY, M.I.

Simple criteria of establishing the possibility of free filtration.

Izv.AN Kir.SSR.Ser.est.1 tekhn.nauk 2 no.4:95-102 '60.

(MIRA 14:8)

(Seepage) (Irrigation canals and flumes)

KAPLINSKIY, M.I.

"Hydrogeological fundamentals of the design and planning of vertical drainage in the Golodnaya Steppe" by N.M.Reshetkina. Reviewed by M.I.Kaplinzkii. Izv.AN Uz.SSR. Ser.tekh.nauk no.6:78-81 '61.

(MIRA 14:12)

(Golodnaya Steppe--Drainage) (Reshetkina, N.M.)

KAPLINSKIY, M.I.

Comparative accuracy of theoretical formulas for determining
seepage losses. Trudy Inst. vod. khoz. i energ. AN Kir. SSR
no.6:43-74 '59. (MIRA 15:5)
(Irrigation canals and flumes)
(Seepage)

KABAKOV, M.M., kand. tekhn. nauk; NAZAROV, M.I., kand. tekhn. nauk;
ZHAROVA, K.A., nauchnyy sotr.; KAPLINSKIY, M.I., kand. tekhn.
nauk; ARTAMONOV, K.F., kand. tekhn.nauk; RAMAZAN, M.S., kand.
tekhn. nauk; KOSTYUCHENKO, E.V., kand. tekhn. nauk; TESLENKO,
V.G., nauchnyy sotr.; TERESHCHENKO, V.S., nauch.sotr.; TALMAZA, V.F.;
LEVITUS, B.I., red. izd-va; ANOKHINA, M.G., tekhn. nauk.

[Field investigation of irrigation systems] Proizvodstvennye
issledovaniia na orositel'nykh sistemakh. Frunze, Izd-vo AN
Kirgizskoi SSR, 1961. 302 p. (MIRA 15:9)

1. Akademiya nauk Kirgizskoy SSR, Frunze. Institut energetiki
i vodnogo khozyaystva.

(Kirghizistan--Irrigation)

KAPLINSKIY, M.I., kand.tekhn.nauk (Frunze)

Use of underground waters in irrigation. Gidr. i mel.
14 no.10:3-15 0 '62. (MIRA 15:11)
(Uzbekistan--Reclamation of land)
(Water, Underground)

KAPLINSKIY, M.I., kand.tekhn.nauk

Underground waters of Kirghizistan and their utilization.
Vest. AN SSSR 32 no.11:91-94 N '62. (MIRA 15:11)
(Kirghizistan—Water, Underground)

KAPLINSKIY, M. I.

Application of sprinkler irrigation on some farms. Izv. AN
Kir. SSR. Ser. est. i tekhn. nauk 4 no.1:23-36 '62.
(MIRA 15:10)

1. Laboratoriya vodnogo balansa oroshayemykh territoriy AN
Kirgizskoy SSR.

(Sprinkler irrigation)

KAPLINSKIY, M.I.

Organization and content of studies of the introduction of
new irrigating equipment in Kirghizistan. Izv. AN Kir. SSR.
Ser. est. i tekhn. nauk 4 no.5:5-17 '62. (MIRA 16:4)

(Kirghizistan—Irrigation)

KAPLINSKIY, M.I.

Effect of the curve of moisture distribution in the zone of
aeration on some calculation parameters. Izv. AN Kir. SSR. Ser. est.
i tekhn. nauk 4 no.10:23-49 '62. (MIRA 16:11)

1. Laboratoriya vodnogo balansa oroshayemykh territoriy AN
Kirgizskoy SSR.

KAPLINSKIY, S. V. Cand Tech Sci, MEI

"Protection from Washing Away of the Lower Ledge of Hydro Installations by Means of Proper Regulation of Sluices," abstracted from Gidrotekh, stroil, Nos. 5/6, pp. 28029, 1946

KAPLINSKIY, S. V.

Ustanovki s vodnymi turbinami Pel'tona v mestnoi promyshlennosti. Moskva, Gos. izd -vo mestnoi promyshl. RSFSR, 1946. 57(2) p. illus. (Prosteishie dvigateli dlia raionnoi promyshlennosti)

Bibliography: p. (59)

Pelton water turbines in plants of the local industry.

DLC: TJ866.K3

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

KAPLINSKIY, S. V.

"Vodotoki Usilenny Shirokhnovosti v
Gidroelektrostroytel'stve"

M-L Gosenergoizdat 1950 100 pages

LYAPICHEV, Petr Andreyevich; KAPLINSKIY, S.V., kandidat tekhnicheskikh nauk, redaktor; BARSOV, M.V., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor

[Method of controlling river flow] Metodika regulirovaniia rechnogo stoka. Moskva, Gos.izd-vo lit-ry po stroit. i arkhitekture, 1955. 389 p. (MIRA 9:2)

(Rivers--Regulation)

KAPLINSKI, Vladislav Vladislavovich; GREYSUKH, Valentin L'vovich

["Ural-2" and "Ural-4" electronic digital computers]
Elektronnye tsifrovye vychislitel'nye mashiny "Ural-2" i
"Ural-4." Moskva, Mosk. ekonomiko-stat. in-t. Pt.3. 1964.
146 p. (MIRA 18:3;

L 26414-66 EWT(d)/EWP(1) IJP(c) GG/BB

ACC NR: AM6020524

Monograph

URV

Kaplinskiy, V. V.

The digital computer "Minsk 2" (Elektronnaya tsifrovaya vychislitel'naya mashina "Minsk 2") Moscow, 1964. 71 p. illus. (At head of title: Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya RSFSR. Moskovskiy ekonomiko-statisticheskii institut) 1200 copies printed.

TOPIC TAGS: electronic digital computer, input unit, output unit, storage unit/
Minsk-2 computer

PURPOSE AND COVERAGE: This handbook is intended for engineers studying courses in programming for electronic digital computers. The principles of operation and technical characteristics of the Minsk-2 electronic digital computer are described. Special attention is paid to the operations of the computer units and devices rather than the design and structural details of functional circuits.

TABLE OF CONTENTS:

1. Technical and operating characteristic of the computer — 3
2. Input unit — 9
3. Magnetic working storage device — 14

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- 4. Magnetic tape storage -- 21
- 5. Arithmetic unit -- 30
- 6. Central control unit -- 44
- 7. Output device -- 49
- 8. Command and operation system -- 60

SUB CODE: 09/ SUBM DATE: 14Apr64/

Card

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0.01

KAPLINSKIY, V.V.

["Minsk-2" electronic digital computer; textbook for qualification improvement courses for engineers in the field of programming for electronic computers] Elektronnaia tsifrovaia vychislitel'naia mashina "Minsk-2."; uchebnoe posobie dlia slushatelei kursov povysheniia kvalifikatsii inzhenerov v oblasti programmirovaniia dlia elektronnykh vychislitel'nykh mashin. Moskva, Mosk. ekonomiko-stat. in-t, 1964. 71 p.
(MIRA 18:3)

ZAKS, M.L., kand.tekhn.nauk; KAPLINSKIY, Ya.I., inzh.

Accumulator tanks for water system district heating stations.
Teploenergetika 8 no.11:61-67 N '61. (MIRA 14:10)

1. Moskovskiy inzhenerno-stroitel'nyy institut.
(Heating from central stations)

ZAKS, M. L., kand. tekhn. nauk; KAPLINSKIY, Ya. I., inzh.

Operation of an open heat supply system and methodology for
calculating its central control. Teploenergetika 10 no.3:
46-51 Mr '63. (MIRA 16:4)

1. Moskovskiy inzhenerno-stroitel'nyy institut im. V. V.
Kuybysheva i Gosudarstvennyy trest po organizatsii i
ratsionalizatsii rayonnykh elektrostantsiy i setey.

(Heat engineering)

GLADKOV, I.A., doktor ekon. nauk; KOSSOY, A.I., kand. ekon. nauk;
VIDONOV, S.S., nauchn. sotr.; SAMOYLOVA, I.D., nauchn. sotr.;
GORBUNOV, E.P., kand. ekon. nauk; MAYEVSKIY, I.V., doktor
ekonom. nauk; CHEBOTAREV, V.A., kand. ekon. nauk; KAMUSHER,
L.N., nauchn. sotr.; STROYEVA, Z.N., nauchn. sotr.; FOMINA,
L.V., nauchn. sotr.; VOROB'YEV, Yu.F., kand. ekon. nauk;
KRAYEV, M.A., doktor ekon. nauk; KAPLINSKIY, Ye.M., kand.
ekon. nauk; LAPINA, S.N., nauchn. sotr.; YAKOVTSSEVSKIY, V.N.,
kand. ekon. nauk; ORLOV, B.P., kand. ekon. nauk; DIKHTYAR,
G.A., doktor ekon. nauk [deceased]; PLOTNIKOV, K.N.;
MALIKOVA, A.I., nauchn. sotr.; TOVMOSYAN, M.Ye., red. izd-va;
POLYAKOVA, T.V., tekhn. red.

[Socialist national economy of the U.S.S.R. in 1933 to 1940]
Sotsialisticheskoe narodnoe khoziaistvo SSSR v 1933-1940 gg.
Moskva, Izd-vo AN SSSR, 1963. 665 p. (MIRA 16:12)

1. Akademiya nauk SSSR. Institut ekonomiki. 2. Sektor istorii
narodnogo khozyaystva Instituta ekonomiki AN SSSR (for
Stroyeva, Fomina, Kaplinskiy, Lapina). 3. Chlen-korrespondent
AN SSSR (for Plotnikov).

(Russia—Economic conditions)

TOLCHINSKIY, N.A., kand.tekhn.nauk; KAPLINSKIY, Ye.M., inzh.

Bench for studying the characteristics of rubber-metal hinges.
Trakt. i sel'khozmasb. no.9:11-12 S '65.

(MIRA 18:10)

1. Altayskiy politekhnicheskiy institut.

SOV/148-59-2-15/24

25(1)

AUTHORS: Smolyanitskiy, Ya.A., Candidate of Technical Sciences, Docent,
and Kapliy, N.I., Engineer

TITLE: Plastic Deformations in Mechanical Retardation of Metal Shrinkage
(Plasticheskiye deformatsii pri mekhanicheskom tormozhenii usadki
metalla)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Chernaya metallurgiya,
1959, Nr 2, pp 111-116 (USSR)

ABSTRACT: Information is given on the dependence of plastic deformation on
mechanical retardation of metal shrinkage at different temperatures.
Investigations of shrinkage retarded by a constant load were
carried out on a device shown in Figure 1 and with the use of
Silumin as starting material. It was proved that the mechanical
brake action caused retarded linear shrinkage due to elastic-
plastic deformations. These deformations developed within
140 seconds in two stages: intensive formation and subsequent
attenuation. Their temperature range was from 584°C at the begin-
ning and 350-330°C at the end. Increased shrinkage retardation
extended the stage of intensive development and speeded-up the
deformation rate. These factors reduced the actual shrinkage
values. The effect of the retardation stress on the temperature
range of plastic deformation was hardly noticeable.

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SOV/148-59-2-15/24

Plastic Deformations in Mechanical Retardation of Metal Shrinkage

There are 2 tables, 4 graphs, 1 diagram and 4 Soviet references.

ASSOCIATION: Donetskiy industrial'nyy institut (Donets Industrial Institute)
Kafedra metallovedeniya i termooobrabotki (Chair of Metallography
and Thermal Treatment)

SUBMITTED: September 27, 1958

Card 2/2

S/123/60/000/023/003/008
A005/A001

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1960, No. 23, p. 205,
127808

AUTHORS: Smolyanitskiy, Ya. A., Kapliy, N. I.

TITLE: The Effect of Mechanical Shrinkage Inhibition on Hot Cracking in
Castings

PERIODICAL: Tr. Donetsk. industr. in-ta, 1959, Vol. 36, pp. 111-120

TEXT: Results are expounded from an investigation of the inhibition of casting shrinkage at the origination of hot cracks. The design is described of a device for inhibiting the shrinkage by a force of constant magnitude. A special method is developed for determining the conditional strength limit of cast material in the temperature range of hot crack origination. It turned out that hot cracks develop at stresses of 1.7-2.0 kg/cm² in aluminum specimens of 10 mm thickness, 20 mm width, and 200 mm length, if they solidify in sand molds; the magnitude of the shrinkage inhibition force does not affect the instant of cracking, but increases their size; hereat, the tensile strength of metal increases, too. The

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A005/A001

The Effect of Mechanical Shrinkage Inhibition on Hot Cracking in Castings

results from the investigation are compiled in tables and graphs. There are 7 figures and 5 references.

S. Yu. A.

Translator's note: This is the full translation of the original Russian abstract. ✓

Card 2/2

SMOLYANITSKIY, Ya.A.; KAPLIY, N.I.

Effect of the speed of tension on the formation of hot cracks
in ~~silumin~~ specimens. Izv. vys. ucheb. zav.; tsvet. met. 4
no.4:129-135 '61. (MIRA 15:1)

1. Donetskii politekhnicheskii institut, kafedra metallovedeniya
i termicheskoy obrabotki metallov.

(Silumin--Testing)

(Thermal stresses)

KAPLIY, N.I.; SMOLYANITSKIY, Ya.A.

Elastic-plastic deformations in retarding the shrinkage of white
cast iron. Izv.vys.ucheb.zav.; chern.met. 5 no.11:175-180 '62.
(MIRA 15:12)

1. Donetskii politekhnicheskii institut.
(Iron founding) (Deformations (Mechanics))

KAPLON, Kazimierz, mgr

We are improving the professional qualifications of the
pharmacists. Farmacja Pol 19 no.6:115-116 25 Mr '63.

✕

KAPLON, Kazimierz, mgr.

From the Pharmaceutical Management for the Wroclaw District.
Farmacja Pol. 19 no.17/18:384 25 S'63

*

KAPLON, Kazimierz, mgr

From the Wroclaw Management of Pharmacies. Farmacja
Pol 20 no. 11/12:464-465 25 Je '64.

KAPLONSKAYA, Ye.

High weight increase. Mias.ind.SSSR 26 no.4:42-43 '55. (MIRA 8:10)

1. Starshiy zootekhnik Khakasskoy oblastnoy skotozagotovitel'noy kontory

(Stock and stockbreeding)

KAPLON, A.B. (Moskva)

Pioneer of Soviet rocket construction; 75th anniversary of the
birth of F.A. TSander. Priroda 51 no.12:82-84 D '62.

(MIRA 15:12)

(TSander, Fridrikh Arturovich, 1887-1933)

SOLOV'YEV, A. N. and KAPLUN, A. B. (Novosibirsk)

"the dependence of liquid metal viscosity on volume and an improved formula for viscosity determination."

Report presented at the Seminar on the Problems of research on thermophysical properties of substances at high temperatures, Novosibirsk, 9-10 April 1963.

L 45627-65

ACCESSION NR: AP5006476

one in which the oscillation frequency is chosen to make the amplitude maximal (amplitude amplification method). The two methods are analyzed. The second method is described. One is a small instrument for molten metals, and the other is a viscosity meter for continuous measurement of the viscosity of a molten metal. art. has: 9 figures and 10 formulas.

ASSOCIATION: Institute teplofiziki Sibirskogo otdeleniya Akademii nauk SSSR (Institute of Thermophysics, Siberian Department Academy of Sciences)

SUBMITTED: 12Mar64

ENCL: 00

SUP CODE: 44

NR REF SOV: 009

OTHER: 003

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Card 2/2

L 00501-07 EMI(m)/ENP(t)/EII LJP(c) Nr/0D/03

ACC NR: AP6029775

SOURCE CODE: UR/0294/66/004/004/0503/0506

AUTHOR: Solov'yev, A. N.; Kaplun, A. B.

ORG: Institute of Thermophysics, Siberian Department AN SSSR (Institut teplofiziki Sibirskogo otdeleniya AN SSSR)

TITLE: Approximate calculation of the surface tension of molten alkali metals

SOURCE: Teplofizika vysokikh temperatur, v. 4, no. 4, 1966, 503-506

TOPIC TAGS: alkali metal, liquid metal, surface tension, fluid density

ABSTRACT: In view of the contradictory experimental and theoretical data on the surface tension of liquid alkali metals, the authors derive an approximate formula describing the effect of density on surface tension in these simple liquids based on the free volume concept. The final formula

$$\sigma = \frac{RTd}{(V - V_0) \cdot 2} \left[1 - \frac{3}{2} \frac{V - V_0}{V} \right]$$

is easily reduced to the Eötvös equation if density is a linear function of temperature

$$\sigma \left(\frac{\mu}{\rho} \right)^{1/6} = C(T_h - T_{\delta})$$

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UDC: 669.88:532.612

L 06561-67

ACC NR: AP6029775

where μ is molecular weight, ρ is density, δ is the thickness of the interphase layer and C is the Eötvös constant given by the formula

$$C = \frac{Rm_H^{1/2}}{2aT_{cr}}$$

where m_H is the mass of a hydrogen atom. Substitution of the constants in the final formula gives the expression

$$\sigma = 0.247T \left(\frac{\rho}{\mu} \right)^{1/2} \frac{(3\rho/\rho_0) - 1}{1 - (\rho/\rho_0)}$$

which is convenient for practical calculations. Results calculated by this formula for lithium, sodium, potassium, rubidium and cesium are compared with experimental data at temperatures from 29 to 1300°C. The divergence amounts to only a few percent. Orig. art. has: 2 tables, 6 formulas.

SUB CODE: 20/ SUBM DATE: 10Mar65/ ORIG REF: 004/ OTH REF: 008

Card 2/2

KAPLUN, A.B.; MAKAROVA, O.P.; SOLOV'YEV, A.N.

New vibration viscosimeters. Zav. lab. 30 no.1:100-102 '64.
(MIRA 17:9)

1. Institut teplofiziki Sibirskogo otdeleniya AN SSSR.

1. 0001-47 227(1) 00
 1. 0001-47 227(1) 00

SOURCE CODE: UR/0413/66/000/015/0194/0094

AUTHORS: Koshlov, B. Ye.; Kozemnikov, V. S.; Ayzman, Yu. A.; Sokolinskiy, Ye. A.;
 Andreev, L. A.; Kaplunov, A. I.; Fedorov, V. N.; Ivanov, A. M.; Malinskiy, S. A.;
 Paganovskiy, V. V.; Poluk, V. Kh.; Vysotskiy, Yu. A.; Zamskiy, V. M.; Bystrov, V. V.;
 Korobov, V. G.; Slobodkin, I. V.; Yevzerov, D. A.; Germanov, Yu. G.; Maksimov, N. P.;
 Gerasimov, L. A.; Pishchulin, V. V.

ORG: none

TITLE: Seismic station. Class 42, No. 184466 [announced by "Neftepribor" Factory
 of the Instrument Manufacture Administration of Mosgorsovnarkhoz (Zavod "Neftepribor"
 Upravleniya priborostroyeniya Mosgorsovnarkhoza)]

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 94

TOPIC TAGS: seismologic station, seismologic instrument

ABSTRACT: This Author Certificate presents a seismic station containing a seismic
 signal detector, a recording amplifier unit, an oscillograph, a magnetic drum
 recorder, a channel reproduction unit, a control unit, a reproduction amplifier, a
 multichannel borehole probe, a drum with photographic paper, a retransmitting unit,
 and a power supply. To increase the reliability when transferring from operation with
 the method of reflected waves to the method of refracted waves, a filter unit is
 connected between the first and second stages of the recording amplifier unit. A

Cord 1/2

UDC: 550.340:19

L 10061-67

ACC NR: AP6029933

modulator-demodulator unit and a reel type magnetic recorder are connected in series to the output of the recording amplifier unit. For operation with the method of refracted waves, the filter unit has frequency cutoffs of 7--30 hz, and for operation at sea--frequency cutoffs of 20--50 hz. To increase the reliability of the recorded data with operation by the method of regulated directional reception, a switching unit for the channels to be summed, a static correction unit, and a summing unit are connected in series between the magnetic drum recorder and the reproduction amplifier. To increase the reliability when transferring from operation with the method of reflected waves to seismic logging, a frequency selection unit is connected between the multichannel borehole probe and the magnetic drum recorder. To improve the quality of the recorded material, an electron beam unit for introducing static and dynamic corrections is connected between the reproduction amplifier and the drum with photographic paper.

SUB CODE: 08/ SUBM DATE: 05May65

Card 2/2

KAPIUN, A.I.; MARIYENBAKH, I.A.

Andrei Nikiforovich Voronikhin. Izv.ASIa no.3:174-175
'59. (MIRA 13:6)
(Voronikhin, Andrei Nikiforovich, 1760-1814)

USSR / Cultivated Plants. Grains.

M-2

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24957

Author : Girko, P. A., Kaplun, A. L., Kuzhel', A. I.

Inst : Not given

Title : The Effect of Fertilizers on the Yield and Quality
of Winter Wheat

Orig Pub: Nauchn. tr. Ukr. s.-kh. akad., 1956, 8, 37-47

Abstract: At the training farm of the Ukrainian Agricultural Academy on dark gray podzolic soil in 8-field grain and potato crop rotations, a comparison was made in 1953-1954 of the yields and quality of winter wheat grain growth on a vetch and oat fallow (VOF) and on a cover of perennial grasses (G) both without and with fertilization. The wheat yield without fertilizer in 1953 totalled on VOF 18.6 and on G-13.9, while in 1954 it was 16.2 and 16.0 centners per

Card 1/2

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MIROSHNICHENKO, A.M.; SHTROMBERG, B.I.; DAVIDOVICH, A.Z.; KAPLUN, A.I.;
MATSIYEVICH, L.F.; POTASHNIKOVA, M.M.; KUL'MAN, R.K.;
GERLANETS, L.M.

Differentiation of leaned out weakly caking coals and lean
noncaking coals of the Donets Basin. Koks i khim. no.5:9-10
'60. (MIRA 13:7)

1. Ukrainskiy uglekhimicheskiy institut (for Miroshnichenko,
Shtromberg, Davidovich, Kaplun, Matsiyevich). 2. Stalinskiy
'koksokhimicheskiy zavod (for Potashnikova, Kul'man, Gerlanets).
(Coal--Classification)

KAPLUN, A.V.

OSHEROV, S.Ya., kandidat tekhnicheskikh nauk; BORISOV, V.P.; KAPLUN, A.V.,
inzhener.

Superiority of turbine drives for feed pumps of electric power
stations. Energomashinostroenie 3 no.9:14-18 S '57. (MIRA 10:10)
(Turbines)

KAPLUN, A.V., inzh.

OSPT-1150 feeding turbine pump for a 300 ~~000~~ kv. capacity unit.
Energomashinostroenie 7 no.10:42 0 '61. (MIRA 14:10)
(Leningrad--Turbomachines)

STUPIN, N.F., inzh.; KAPLUN, B.A.

Last collecting devices used in mining in the permafrost zone.
Bor'ba s sil. 6:86-91 '64 (MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zolota i
redkikh metal'lov, Magadan.

KAPLUN, D.M.

KAPLUN, D.M., inzhener; TRESHCHALIN, V.N.

Apparatus for welding the housing of rotary cement kilns. Vest.mash.
34 no.4:73-74 Ap '54. (MLRA 7:5)
(Kilns, Rotary) (Electric welding)

KAPLUN, E.A.

Fourth scientific and practical conference of stomatologists,
dentists and dental technicians of the North Caucasus Railroad.
Stomatologiya 41 no.4:108-109 J1-Ag '62. (MIRA 15:9)

(STOMATOLOGY--CONGRESSES) (DENTISTRY--CONGRESSES)

KAPIUN, E.G.

Changes of motor chronaxia in students under the effect of
their stay in a Pioneer camp. Uch. zap. MGPI no.168:215-218
'62. (MIRA 19:2)

KAPLUN, E. M.

KAPLUN E. M.

Pentotalovyi narkoz pri dlitel'nykh ginekologicheskikh operatsiyakh; klinicheskoe i eksperimental'noe issledovanie.
/Pentothal anesthesia in prolonged gynecologic operations; clinical and experimental studies/ Akush. gin. No.2
Mar-Apr 50 p. 6-11.

1. Of the Division of Operative Methods of Therapy of the Institute of Obstetrics and Gynecology (Director — Prof. S.A. Yagunov, Corresponding Member of the Academy of Medical Sciences USSR) of the Academy of Medical Sciences USSR.

USSR/Medicine - Pentothal Sodium

Jan/Feb 52

"A Method by Which to Lower the Toxic Effect of Sodium Pentothal Narcosis," Prof. M. Kaplan, Inst. Obstetrics and Gynecol, Acad Med Sci USSR

"Akusher i Ginekoi" No 1, 52, pp 47-51

Glucose when given to rats together with sodium pentothal in doses 0.2-0.5 per kg wt decreases the toxicity effect, but larger doses increase toxicity. A physiol salt soln did not affect toxicity of lethal dose. The group of opium alkaloids increased the lethal effect, but not as much as glucose. Asphyxia due to sodium pentothal is counteracted by administration of cardiazol

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USSR/Medicine - Pentothal Sodium
(Contd)

Jan/Feb 52

metrazol; corazol. Carbocholine carbamyl-choline chloride and "tecodine" as synergists with sodium pentothal are recommended for clinical use.

202175

KAPLAN, ~~M.~~ H.

KAPLUN, F. Sh.

Perevozka khlebnykh gruzov. [Grain transportation]. Moskva, Gos. transp. zheldor.
izd2vo, 1947. 51 p. illus.

DL6; HE2321.G7K3

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress
Reference Department, Washington, 1952, Unclassified

Kaplan, Fayvel' Shmylovich

SHAMAYEV, Matvey Fedorovich; KAPLON, Fayvel' Shmylovich; TSARENKO, A.P.,
redaktor; KHITROV, P.A., tekhnicheskii redaktor

[Handbook for the weigher] Rukovodstvo vesovshchiku. Izd. 2-e.
Moskva, Gos.transp.zhel-dor. izd-vo, 1955. 305 p. (MIRA 9:3)
(Railroads--Freight)

BENESHEVICH, I.I., kandidat tekhnicheskikh nauk; BOGIN, N.M., kandidat tekhnicheskikh nauk; BYKOV, Ye.I., inzhener; VLASOV, I.I., kandidat tekhnicheskikh nauk; GRITSEVSKIY, M.Ye., inzhener; GRUBER, L.O., inzhener; GURVICH, V.G., inzhener; DAVYDOV, V.N., inzhener; YER-SHOV, I.M., kandidat tekhnicheskikh nauk; ZASORIN, S.N., kandidat tekhnicheskikh nauk; IVANOV, I.I., kandidat tekhnicheskikh nauk; KRAUKLIS, A.A., inzhener; KROTOV, L.B., inzhener; LAPIN, V.B., inzhener; LASTOVSKIY, V.P., dotsent; LATUNIN, N.I., inzhener; MARKVARDT, K.G., professor, doktor tekhnicheskikh nauk; MAKHAYLOV, M.I., professor, doktor tekhnicheskikh nauk; NIKANOROV, V.A., inzhener; OSKOLKOV, K.N., inzhener; OKHOSHIN, L.I., inzhener; PARFENOV, K.A., dotsent, kandidat tekhnicheskikh nauk; PERTSOVSKIY, L.M., inzhener; POPOV, I.P., inzhener; PORSHNEV, B.G., inzhener; RATNER, M.P., inzhener; ROSSIYEVSKIY, G.I., dotsent, kandidat tekhnicheskikh nauk; RYKOV, I.I., kandidat tekhnicheskikh nauk; RYSHKOVSKIY, I.Ya., dotsent, kandidat tekhnicheskikh nauk; RYABKOV, A.Ya., professor [deceased]; TAGER, S.A., kandidat tekhnicheskikh nauk; KHAZEN, M.M., professor, doktor tekhnicheskikh nauk; CHERNYSHEV, M.A., doktor tekhnicheskikh nauk; KHIN, L.Ya., professor, doktor tekhnicheskikh nauk; YURENEV, B.N., dotsent; AKSENOV, I.Ya., dotsent, kandidat tekhnicheskikh nauk; ARKHANGEL'SKIY, A.S., inzhener; BARTENEV, P.V., professor, doktor tekhnicheskikh nauk; BERNGARD, K.A., kandidat tekhnicheskikh nauk; BOROVY, N.Ye., dotsent, kandidat tekhnicheskikh nauk; BOGDANOV, I.A., inzhener; BOGDANOV, N.K., kandidat tekhnicheskikh nauk; VINNICHENKO, N.G., dotsent, kandidat ekonomicheskikh nauk;

(Continued on next card)

KUMESHEVICH, I.I.-----(continued). Card 2.

VASIL'YEV, V.F.; GONCHAROV, N.G., inzhener; DERIBAS, A.T., inzhener;
 DOBROSEL'SKIY, K.M., dotsent, kandidat tekhnicheskikh nauk; DLUGACH,
 B.A., kandidat tekhnicheskikh nauk; YEFIMOV, G.P., kandidat tekhnicheskikh nauk;
 ZEMBLINOV, S.V., professor, doktor tekhnicheskikh nauk; ZABELLO, M.L., kandidat tekhnicheskikh nauk; IL'IN, K.P.,
 kandidat tekhnicheskikh nauk; KARSTNIKOV, A.D., kandidat tekhnicheskikh nauk;
 KAPLUN, F.Sh., inzhener; KANSHIN, M.D.; KOCHNEV, P.P., professor, doktor tekhnicheskikh nauk;
 KOGAN, L.A., kandidat tekhnicheskikh nauk; KUCHURIN, S.F., inzhener; LEVASHOV, A.D., inzhener;
 MAKSIMOVICH, B.M., dotsent, kandidat tekhnicheskikh nauk; MARTYNOV, M.S., inzhener;
 MEDEL', O.M., inzhener; NIKITIN, V.D., professor, kandidat tekhnicheskikh nauk;
 PADNYA, V.A., inzhener; PANTEL'YEV, P.I., kandidat tekhnicheskikh nauk;
 PETROV, A.P., professor, doktor tekhnicheskikh nauk; POVOROZHENKO, V.V., professor,
 doktor tekhnicheskikh nauk; PISKAREV, I.I., dotsent, kandidat tekhnicheskikh nauk;
 SERGEYEV, Ye.S., kandidat tekhnicheskikh nauk; SIMONOV, K.S., kandidat tekhnicheskikh nauk;
 SIMANOVSKIY, M.A., inzhener; SUYAZOV, I.G., inzhener; TALDAYEV, F.Ya., inzhener;
 TIKHONOV, K.K., kandidat tekhnicheskikh nauk; USHAKOV, N.Ya., inzhener;
 USPENSKIY, V.K., inzhener; FEL'DMAN, B.D., kandidat tekhnicheskikh nauk;
 FERAPONTOV, G.V., inzhener; KHOKHLOV, L.P., inzhener; CHERNOMORDIK, G.I., professor,
 doktor tekhnicheskikh nauk; SHAMAYEV, M.F., inzhener; SHAPIRKIN, B.I., inzhener;
 YAKUSHIN, S.I., inzhener; GRANOVSKIY, F.G., redaktor; TISHCHENKO, A.I., redaktor;
 ISAYEV, I.P., dotsent, kandidat tekhnicheskikh nauk, redaktor; KLIMOV, V.F., dotsent, kandidat tekhnicheskikh nauk,
 redaktor.

(Continued on next card)

BENESHEVICH, I.I. (continued) Card 3.

nauk, redaktor; MARKOV, M.V., inzhener, redaktor; KALININ, V.K.,
inzhener, redaktor; STEPANOV, V.N., professor, redaktor; SIDOROV, N.I.,
inzhener, redaktor; GERNONIMUS, B.Ye., kandidat tekhnicheskikh nauk,
redaktor; ROBEL', R.I., otvetstvennyy redaktor

[Technical reference manual for railroad engineers] Tekhnicheskii
spravochnik zheleznodorozhnika. Moskva, Gos. transp.zhel-dor. izd-vo.
Vol.10. [Electric power supply for railroads] Energosnabzhenie zhelez-
nykh dorog. Otv.red. toma K.G.Markvardt. 1956. 1080 p. Vol.13.
[Operation of railroads] Eksploataatsia zheleznykh dorog. Otv. red.
toma R.I.Robel'. 1956. 739 p. (MLRA 10:2)

1. Chlen-korrespondent Akademii nauk SSSR (for Petrov)
(Electric railroads) (Railroads--Management)

KAPLUN, F. Sh.

KAPLUN, F. Sh., otvetstvennyy za vypusk; VERINA, G.P., tekhn.red.

[Collection of amendments and supplements to the technical standard for loading and fastening cargo and using freight lifting cars; effective as of April 1, 1957] Sbornik izmenenii i dopolnenii, vnesennykh v tekhnicheskie usloviia pogruzki i krepleniia gruzov i ispol'zovaniia gruzopod'emnykh vagonov; po sostoiانيu na 1 apreliia 1957 g. [Moskva] Transzheldorizdat, 1957. 99 p. (MIRA 11:4)

1. Russia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya.
Glavnoye gruzovoye upravleniye.
(Railroads--Freight)

KAPLUN, Fayvel' Shmylovich; GALLE, Aron Grigor'yevich; MAKAROV, Anatoliy Matveyevich; NOZDRIN, Aleksandr Andreyevich; PLATOV, V.G., inzh., retsenzent; PAVLOV, V.V., inzh., retsenzent; TKACHENKO, A.A., inzh., red.; KHITROV, P.A., tekhn. red.

[Manual on containers and packing for freight] Spravochnik po tare i upakovke gruzov. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshechenia, 1961. 393 p. (MIRA 14:8)
(Packing for shipment—Standards) (Railroads—Freight)

KAPLUN, F. YE.

Kaplun, F. Ye.

"The condition of the root pulp of a tooth following extraction."
Min Health RSFSR. Moscow Medical Stomatological Inst. Moscow,
1956. (Dissertation for the Degree of Candidate in Medical
Science)

So: Knizhnaya letopis', No. 25, 1956

KAPLUN, G., insh.

Unit for boiling bituminous mastics. Stroitel' no.12:13
D '59. (MIRA 13:3)
(Bituminous materials)

KAPLUN, G.B.

BULGAKOV, Konstantin Vasil'yevich; KAPLUN, G.B., redaktor; SOBOLEVA, Ye.M.,
tekhnicheskii redaktor

[Electric power for industrial enterprises] Energosnabzhenie
promyshlennykh predpriatii. Moskva, Gos.energ. izd-vo, 1957.
343 p. (Electric power) (MLRA 10:9)

BULGAKOV, Konstantin Vasil'yevich; VASIL'YEV, V.K., doktor tekhn.
nauk, prof., ratsenzent; KAPLUN, G.B., inzh., red.;
ZHITNIKOVA, O.S., tekhn. red.

[Utilization of secondary power resources] Ispol'zovanie
vtorichnykh energeticheskikh resursov. Moskva, Gosenergo-
izdat, 1963. 183 p. (MIRA 16:7)
(Power resources)

KAPLUN, G.F., inzh.; PECHERSKIY, M.P., inzh.; KHOROVICH, B.G., inzh.

Using automatic and remote control in controlling traffic.
Gor. khoz. Mosk. 33 no.5:33-36 My '59.

(MIRA 12:7)

1. Proyechnaya kontora "Mosgortransproyekt."
(Moscow--Traffic signs and signals) (Automatic control)
(Remote control)

KAPLUN, G.F., inzh.; PECHERSKIY, M.P., inzh.; KHOROVICH, B.G., inzh.

Cybernetic traffic light. Za bezop.dvizh. 3 no.7:1-2 J1 '60.
(MIRA 13:8)

1. "Mosgortransproyekt."
(Traffic signs and signals)

KAPLUN, G.F.; PECHERSKIY, M.P.; KHOROVICH, B.G.

Noncontact amplitude device for automatic recording of
transportation units. Priborostroenie no.3:26 Mr '63.
(MIRA 16:6)

(Recording instruments)

IOSEVA, N.L. [deceased] kand.tekhn.nauk; BORISOVA, Z.V., mladshiy nauchnyy
sotrudnik; Prinsipali uchastiye: KHOKHLOVA, V.M., tekhnolog;
KAPLUN, G.N., tekhnolog

Studying the effect of basic defects of rabbit pelts on the yield
of useable surfaces and quality of goods in cutting collar
sections. Nauch.-issl.trudy NIIMP no.9:82-89 '59. (MIRA 14:5)
(Fur--Grading)

KAPLUN, G. P.

Cand Tech Sci - (diss) "Study of the effect of the wearing-away properties of soil on the longevity of parts of working members of soil-treating machines." Minsk, 1961. 20 pp; (Academy of Agricultural Sciences Belorussian SSR, Belorussian Scientific Research Inst of Land Practices); 200 copies; price not given; (KL, 6-61 sup, 218)

KAPLUN, I.

Merchandise for the people. Prom.koop. 14 no.2:14 P '60.
(MIRA 13:5)

1. Zamestel' nachal'nika tekhnicheskogo otdela Leningorpromsoвета.
(Leningrad--Manufactures)

KAPLUN, I.

This can be bought in 1959. Prom.koop. 13 no.1:8 Ja '59.

(MIRA 12:2)

1. Zamestitel' nachal'nika tekhnicheskogo otдела gorpromsoвета,
Leningrad.

(Leningrad—Cooperative societies)

GUTOROVA, L., starshiy nauchnyy sotrudnik; ~~KAPLUN, I.~~

Enameling of aluminum. Prom. koop. 13 no. 7:10 JI '59.

(MIRA 12:10)

1. Tekhnologicheskii institut im. Lensoвета, Leningrad (for Gutorova).
 2. Zamestitel' nachal'nika tekhnicheskogo otdela gorpromsoвета, Leningrad (for Kaplun).
- (Leningrad--Enamel and enameling)

ARTEM'YEV, Yu.N.; VOLGIN, I.V.; GAL'PERIN, A.S.; DYADYUSHKO, V.P.;
~~KAPLIN, I.B.~~; LAVRISHCHEV, V.N.; NEFEDOV, B.B.; TEL'POV, A.S.;
CHICHEV, Yu.I., red.

[Control of technical conditions of tractor parts in repairing; a handbook. Traktors DT-54, DT-54A, T-75, "Belarus'," T-40, T-28, DT-14, DT-14A, DT-14B, DT-20, self-propelled chassis DVSSh-16 and T-16] Kontrol' tekhnicheskogo sostoyaniya traktornykh detalei pri remon'e; spravochnik. Traktory DT-54, DT-54A, T-75, "Belarus'," T-40, T-28, DT-14, DT-14A, DT-14B, DT-20, samokhodnye shassi DVSSh-16 i T-16. Moskva, Kolos, 1965. 471 p. (MIRA 18:4)

AUTHORS:

Kaplun, L.I. and Rukavishnikova T.B.

SOV/11-58-11-5/14

TITLE:

The Boundary Between the Silurian and Devonian Formations in the North-East Part of the Balkhash Region (Granitsa Silura i Devona v severo-vostochnom Pribalkhash'ye)

PERIODICAL:

Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1958, Nr 11, pp 59 - 70 (USSR)

ABSTRACT:

The South-Kazakhstan Geological Administration in making extensive studies of the north-eastern part of the Balkhash region, have fixed the boundary between the Silurian and Devonian formations. M.A. Borisjuk and O.P. Kovalevskiy (VSEGEI) classified numerous samples of fossilized fauna from these formations and they found that the fauna from the Silurian formation belonged to the Llandoveryan and Upper-Ludlow stages, and the fauna from the Devonian formation belonged to the Gedinian and Coblenzian stages. The gradual evolution of the fauna in these formations shows that at that period, the region was a maritime basin, in which the uninterrupted accumulation of sediments continued. The Silurian and Devonian formations are single geological structures with gradual transition, which proves that at that time there were no orogenic movements in the region.

Card 1/2

SOV/11-58-11-5/14

The Boundary Between the Silurian and Devonian Formations in the North-East Part of the Balkhash Region

The presence of fossils belonging to the Upper-Ludlow, Gedinian and Coblenzian stages and their gradual evolution shows that the exact boundary between the Silurian and Devonian formations can be fixed only on the basis of the transformation of these fossils. There are 2 photos, and 7 tables and 5 Soviet references.

ASSOCIATION: Yuzhno -Kazakhstanskoye geologicheskoye upravleniye, g. Alma-Ata (The South Kazakhstan Geological Administration, Alma-Ata)

SUBMITTED: March 8, 1958

1. Geology 2. Paleocology 3. Geological time--Determination

Card 2/2

KAPLUN, L.I.

Brachiopods of the Lower Devonian of the northern Balkhash region.
Mat. po geol. i pol. iskop. Kazakh. no.1:64-114 '61. (MIRA 15:3)
(Balkhash region--Brachiopoda, Fossil)

KAPLUN, L.V., redaktor; VERINA, G.P., tekhnicheskiy redaktor.

[Regulations on the hauling of separate kinds of freight and performing commercial operations at stations and sidings]
Pravila perevozok otdel'nykh vidov gruzov i vypolneniia
kommercheskikh operatsii na stantsiakh i shelezнодорожных
pod"ezdnykh putiakh. Moskva, Gos.transp. sheleznodorozhnoe izd-vo
Pt. 2, 1955. 253 p. (MLRA 8:11)

1. Russia (1923- U.S.S.R) Ministerstvo putey soobshcheniya.
(Railroads--Freight)

LYUBIMOV, N.; KAPLUN, M.

Efficiency promoters improve production. Khok.tekh. 35 no.6:51-
57 N-D '58. (MIRA 12:1)
(Refrigeration and refrigerating machinery)

KAPLON, M., master

Using cold mastics in pasting linoleum. Stroitel' no.5:20
My '59. (MIRA 12:8)

(Linoleum)

KAPLUN, M.

Industrial callisthenics in enterprises. Sots.trud 4 no.12:
63-67 D '59. (MIRA 13:6)
(Industrial hygiene) (Physical education and training)

KAPLUN, M., inzh.

Formative years of factory schools. Prof.-tekh.obr. 18 no.11:
28-30 N '61. (MIRA 14:11)
(Evening and continuation schools)

CHUZH, Ye.I.; KAPLUN, M.A., inzh.

Continuous line for the cleaning of fabrics in loom state.

Tekst.prom. 25 no.2:84-85 F '65.

(MIRA 18:4)

1. Nachal'nik tekhnicheskogo otdela Luganskogo tonkosukonnogo kombinata (for Chuzh). 2. Tekhnicheskii otdel Luganskogo tonkosukonnogo kombinata (for Kaplun).

DEVIRTS, E.Ya.; KAPLUN, M.G.; NUDEL'MAN, Z.N.; NOVIKOV, A.S., kand.khim.
nauk

Chemical plasticization of natural and butadiene-styrene rubbers.
Trudy NIIRP no. 7:3-16 '60. (MIRA 14:1)
(Rubber)

36564

S/081/62/000/006/110/117
B168/B101

15.9/30

AUTHORS: Devirts, E. Ya., Kaplun, M. G., Nudel'man, Z. N., Novikov, A. S.
TITLE: Chemical mastication of natural and butadiene-styrene rubbers

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 692, abstract
6P560 (Tr. N.-i. in-ta rezin. prom-sti, sb. 7, 1960, 3 - 16)

TEXT: Methods of producing the chemical plasticizers peptone 22 (I) and rhenacite V (II) have been worked out and these substances have been synthesized under laboratory conditions. I, II and imported rhenacite IV (III) were tested as accelerators for the mastication of natural rubber and G-30A (SKS-30A). I, II and III are effective chemical plasticizers for mastication of natural rubber in the rubber mixer at 120 - 130°C. II and III accelerate mastication of natural rubber on rollers at 70 - 80°C. I, II and III do not affect the physico-mechanical properties, the resistance to heat ageing or the swelling of rubbers. II is an effective plasticizer for SKS-30A when the rubber is being processed in the rubber mixer and on rollers. [Abstracter's note: Complete translation.]

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LABURENKO, K.I., inzh.; KAPLUN, M.I., inzh.; ABRAMOVICH, I.M.,
arkhitektor

Using soft limestone in making wall bricks for industrial
building. Stroi.mat. 6 no.2:21-22 F '60.

(MIRA 13:6)

(Limestone)